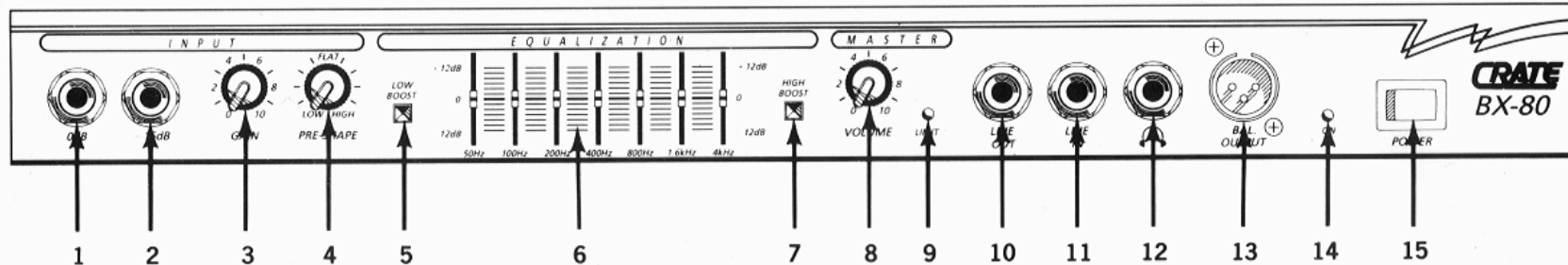


CRATE

BX-80
BASS AMPLIFIER





BX-80 BASS AMPLIFIER

FRONT PANEL FEATURES AND FUNCTIONS INPUT SECTION

1. **0dB Input** jack accepts a standard 1/4" phone plug and is suitable for any low to line level signal source such as an electric bass.
2. **-15dB Input** jack also accepts a standard 1/4" plug but is padded 15dB for hotter inputs such as tape decks or active basses.
3. **Gain** sets the amount of gain for the preamp. A low output instrument or soft playing style requires high gain (5-10 setting) while a high output instrument or hard playing style requires less gain (1-4 setting). Too high of a setting along with boosted equalization may cause distortion or a harshness of sound. If this is not desired, simply reduce the gain with this control.
4. **Pre-Shape** is a pre-EQ "master" tone control. With the control set at "12 o'clock", the signal will pass to the EQ section "flat" (with no modification of tone). As the control is turned clockwise, high frequencies will be boosted and as the control is turned counterclockwise, low frequencies will be boosted. This control can be used to "dial in" a general tone setting which can be fine tuned by the EQ section or to instantly modify an existing EQ setting with one knob.

EQUALIZATION SECTION

5. **Low Boost** switch accentuates low frequencies when this switch is depressed.
6. **Graphic Equalizer** is the main tone control section of the BX-80. Seven bands of frequencies from 50Hz to 4kHz may be boosted by moving the sliders up or cut by moving the sliders down. The lower frequencies are to the left and the higher frequencies are to the right. A great many tone variations are possible using different settings of these sliders.
7. **High Boost** switch adds additional high frequency boost such as desired for a "popping" or "slapping" playing style.
8. **Master Volume** control sets the overall listening level of the BX-80.
9. **Limit Indicator LED:** The BX-80 contains a power amp limiter which automatically limits the signal to the power amp to a point just below "clipping" or distortion. This is to assure a clean undistorted sound at full power. The limit LED indicator will be lit whenever full power is reached.

EFFECTS LOOP

10. **Line Out** jack may be connected to the line level input of an external effects device. This

jack may also be used as a "direct" unbalanced send for recording, etc.

11. **Line In** jack may be connected to the line level output of an external effect device. This "Post Gain" configuration is helpful in obtaining optimum input signal levels to external devices and reducing the noise levels associated with them.
12. **Headphone** jack will accept a standard headphone plug for private practicing. The speaker is automatically disconnected when headphones are plugged in here.
13. **Balanced Line Output** jack provides a balanced output signal for connection to an external power amp, tape deck, or mixing board.
14. **Power On/Off Indicator LED** will be lit when the amplifier is turned on.
15. **Power** switch turns AC power on or off.

REAR PANEL

16. **Power Cord:** Your BX-80 is equipped with a heavy-duty grounded three-wire power cord. Be sure this cord is properly plugged into a safely wired grounded 120 Vac 60 Hz AC power outlet before use. (If your BX-80 was purchased outside the United States, refer to the rear panel for power ratings). For your safety, never attempt to defeat the ground connection on this cord.

We would like to take this opportunity to thank you for selecting a Crate product, and to tell you of our commitment to the design and manufacture of only the finest sound amplification equipment; built for you, the musician.

You have purchased one of the most innovative bass amplification devices available today. Your Crate amp gives you more performance features than ever before; features that you, the musician, have asked for.

Your Crate bass amplifier is an American product, manufactured at our factory in St. Louis, Missouri. Only the finest available components and materials are used in the manufacture of each amp.

All Crate products are subjected to seven or more inspection and testing steps to assure you of a high quality product. The final test for each amplifier is conducted by a trained musician; any unit that does not meet the standards of our musician's discriminating ear will not be passed.

Since all Crate products are designed, developed, and manufactured through the cooperative efforts of engineers and professional musicians, the end result is a product that responds to the musician's audio requirements, and a product that will serve your needs for years to come.

BX-80 TECHNICAL SPECIFICATIONS

Output Power Rating	80 watts RMS @ 5% THD 8 ohm load - 120VAC line
Speaker Size and Rating	Custom Design 15" with 2" voice coil Power Handling: 80 watts RMS
Pre-Shape Control	12dB boost @ 6kHz 10dB boost @ 70Hz
Low Boost Switch	8dB boost @ 80Hz
Graphic Equalizer	24dB range @ 50Hz, 100Hz, 200Hz, 400Hz, 800Hz, 1.6kHz, and 5kHz
High Boost Switch	8dB boost @ 4kHz
Input Impedance	220k ohms
Maximum Signal Level Accepted	15 volts, peak to peak
Gain @ 1kHz	57dB w/EQ flat, boosts off
Line Output Jack	2 volts peak-to-peak @ full rated power
Balanced Line Out Jack	2 volts peak-to-peak @ full rated power with 600 ohm load
Signal To Noise Ratio	75dB below full power
Input Power Requirements	120VAC, 60Hz, 400 watts max.
Size and Weight	24.5" W x 20.5" H x 13.5" D 60 lbs.

Specifications subject to change without notice

CAUTION: To reduce the risk of electric shock, do not open chassis. No user serviceable parts inside. Refer servicing to qualified service personnel.

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